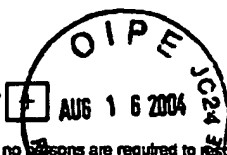


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Sheet 1 of 2

Complete If Known

Application Number 107802,116
Filing Date 03-16-2004
First Named Inventor Jefferson G. Shingleton
Group Art Unit 1709
Examiner Name Asha Hall
Attorney Docket Number PWRL 1030-3

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/AH/	A1	4,000,734		Matlock et al.	01-04-1977	
	A2	4,103,672		Meyer	08-01-1978	
	A3	4,138,994		Shipley, Jr.	02-13-1979	
	A4	4,159,710		Prast	07-03-1979	
	A5	4,173,213		Kelly	11-06-1979	
	A6	4,184,482		Cohen	01-22-1980	
	A7	4,187,123		Diggs	02-05-1980	
	A8	4,316,448		Dodge	02-23-1982	
	A9	4,345,582		Neuman	08-24-1982	
	A10	4,370,974		Maxey	02-01-1983	
	A11	4,644,933		Gregory	02-24-1987	
	A12	4,585,318		Seifert	04-29-1986	
	A13	4,771,764		Cluff	09-20-1988	
	A14	4,995,377		Eiden	02-26-1991	
	A15	4,966,311		Maitlin et al.	10-30-1990	Maitlin et al.
	A16	5,131,955		Stern et al.	07-21-1992	
	A17	5,228,924		Barker et al.	07-20-1993	
	A18	5,253,637		Maiden	10-19-1993	
	A19	5,542,409		Sampayo	08-06-1996	
	A20	5,730,117		Berger	03-24-1998	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
/AH/	B1	AU	520 336	B	Vulcan Australia Ltd	01-28-1982		
	B2	DE	386 264	C	Carl Zeiss	12-07-1923	copy not available	
	B3	DE	9013951	UI	Inst. for Solar Energy	05-02-1991		
	B4	FR	2 608 741	A	Gerard	06-24-1988		
	B5	GB	2357785	A	Jeh-kun Lah	04-07-2001		
	B6	GB	733010		Martindale	06-07-1955		
	B7	JP	59 231362	A	Matsushita Electric	12-26-1984		
	B8	JP	56 118021	A	Kureha Chem Ind Co	09-16-1981		
	B9	JP	61 39585	A	Matsushita Electric	05-20-1984		
	B10	JP	11340491	A	Sanyo Electric Co Ltd	10-12-1999	Patent Abstract	

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Signature

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